

Ankit Patil

Senior Software Engineer

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Summary

Backend engineer with 12 years of experience building production software that scales—from enterprise automation platforms to real-time IoT systems. I enjoy designing simple solutions to complex engineering problems using Java, Spring Boot, AWS, distributed systems, and cloud-native architectures.

Experience

Senior Software Engineer, Akteena – Indore, India July 2024 – present

- Architected a microservices-based telematics platform on AWS from the ground up, powering real-time fleet monitoring at scale
- Delivered 100+ production REST APIs for GPS, diagnostics, and driver-behavior data, sustaining sub-200ms response times under live device load
- Engineered MQTT-based real-time pipelines to ingest and process continuous vehicle telemetry, trip logs, and diagnostic events
- Designed a multi-tenant architecture with hierarchical entitlements, enabling new enterprise fleet customers to onboard without platform changes
- Secured customer data access by integrating Auth0 with a custom RBAC layer, enforcing tenant-level isolation across all APIs
- Mentored junior engineers on system design and code quality, raising engineering standards across the team

Senior Software Engineer II, Delphix – Indore, India Aug 2022 – July 2024

- Led cross-technology integrations on Data Control Tower (DCT), eliminating manual steps in customer data-management workflows
- Built a Go-based Terraform provider for Delphix, giving customers infrastructure-as-code control over DCT resource management
- Developed a Jenkins plugin (Java) that let CI/CD pipelines trigger DCT operations directly, removing manual handoffs from automation workflows
- Delivered a ServiceNow integration automating data copy, provisioning, and masking through DCT, cutting turn-around time on customer data requests
- Extended DCT's API Gateway with new endpoints, expanding integration capability for downstream systems
- Built Python-based connectors for MySQL, HANA, and Salesforce, extending Delphix's data virtualization support to new enterprise data sources

Senior Software Developer, Oracle – Hyderabad, India July 2019 – Aug 2022

- Modernized legacy codebases by modularizing monolithic components, cutting long-term maintenance costs and improving deployment velocity
- Rebuilt core search functionality to meet enterprise customer requirements, improving accuracy and reducing support escalations
- Owned the full development lifecycle for multiple features end-to-end — performance analysis, design, development, and testing
- Resolved critical production defects through systematic root-cause analysis, restoring service reliability under tight SLAs
- Integrated REST APIs into a legacy monolith, laying the groundwork for a modular, service-oriented architecture

Software Developer, Standard Chartered Global Business Services – Chennai, India

July 2014 – July 2019

- Built a client portfolio application serving as the single source of truth for client data, consumed by every customer-facing bank interface
- Designed a configurable File Cleaner Service to sanitize and standardize incoming files, eliminating a recurring class of data-quality defects
- Architected a shared Logger Service standardizing log rolling and file paths across all bank applications, reducing cross-team debugging effort

Education

National Institute of Technology, Trichy, MCA in Computer Applications – Trichy, India

Jan 2011 – Jan 2014

- GPA: 7.9

Skills

Languages: Java, Python, Go

Frameworks: Spring Boot, Spring MVC, Spring Security, Spring Data JPA, Hibernate, Quartz

Databases: Oracle, PostgreSQL

Cloud & DevOps: AWS (EC2, S3, IAM, CloudWatch, SQS, Kinesis, Lambda), Docker

Tools: Git, Tomcat, ServiceNow, Ant Media Server

Architecture: Microservices, REST APIs, Event-Driven Architecture, Multi-Tenant SaaS, Distributed Systems

Security: Auth0, OAuth 2.0, JWT, RBAC

DevOps & CI/CD: Jenkins, Terraform, Maven, GitHub Actions

Testing: JUnit, Mockito, PyTest

Messaging & Streaming: MQTT, HTTP, WebSockets